Performance Data Sheet

AVA9522ZXT

General Information

Model	AVA9522ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	4.4°C (40°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
0	Btu/h	20800	18700	16600	14500	12400	10300	8160
	Watts	2650	2670	2680	2690	2700	2700	2710
	Amps	8.09	8.13	8.16	8.19	8.21	8.23	8.24
	Lb/h	368	347	327	306	286	265	244
5	Btu/h	24400	21900	19400	16900	14500	12000	9540
	Watts	2790	2830	2860	2890	2920	2940	2960
	Amps	8.42	8.50	8.58	8.66	8.73	8.79	8.85
	Lb/h	427	403	380	357	333	310	286
10	Btu/h	28100	25200	22300	19500	16600	13800	11000
	Watts	2940	2990	3050	3100	3140	3190	3230
	Amps	8.75	8.88	9.01	9.13	9.25	9.36	9.47
	Lb/h	493	466	440	414	387	361	334
15	Btu/h	32100	28800	25500	22200	19000	15800	12500
	Watts	3080	3160	3230	3300	3370	3440	3500
	Amps	9.08	9.26	9.44	9.61	9.78	9.94	10.1
	Lb/h	567	537	508	478	448	419	389
20	Btu/h	36400	32700	29000	25300	21600	17900	14300
	Watts	3210	3310	3410	3510	3600	3690	3780
	Amps	9.40	9.63	9.86	10.1	10.3	10.5	10.7
	Lb/h	651	617	584	551	518	485	452
25	Btu/h	41200	37000	32800	28700	24600	20500	16400
	Watts	3330	3450	3580	3700	3820	3930	4040
	Amps	9.70	9.98	10.3	10.5	10.8	11.1	11.3
	Lb/h	745	707	670	633	596	560	523
30	Btu/h	46500	41800	37200	32600	28000	23400	18900
	Watts	3420	3570	3720	3870	4020	4160	4300
	Amps	9.97	10.3	10.6	11.0	11.3	11.6	11.9
	Lb/h	849	808	767	726	685	644	604

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.770459E+04	2.531403E+03	7.775251E+00	5.291607E+02
C2	1.300887E+03	-4.224711E+00	-1.026922E-02	1.587716E+01

C3	-2.101132E+02	1.345688E+00	3.603240E-03	-2.017719E+00
C4	5.778807E+00	-7.728569E-02	-8.965478E-05	1.695631E-01
C5	-7.982002E+00	4.221331E-01	9.664476E-04	-6.425507E-02
C6	-1.726972E-02	5.828762E-03	1.259036E-05	1.777435E-04
C7	1.123187E-01	-8.656504E-03	-8.106379E-06	1.272539E-03
C8	-4.615639E-02	3.318742E-03	2.958277E-06	-5.300283E-04
C9	4.747158E-03	-2.952599E-04	-2.227451E-07	5.653752E-05
C10	7.812592E-05	-4.603196E-05	-1.042619E-07	-2.327551E-06

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AVA9522ZXT

General Information

Model	AVA9522ZXT	**Refrigerant**	R-404A
Test Condition	ARI	**Performance Test Voltage**	230V 3~ 60HZ
Return Gas	18.3°C (65°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°F)		Condensing Temperature (°F)						
		80	**90**	**100**	**110**	**120**	**130**	**140**
20	Btu/h	37600	34100	30500	26900	23300	19800	16300
	Watts	3120	3220	3330	3430	3530	3630	3730
	Amps	9.10	9.34	9.58	9.83	10.1	10.3	10.6
	Lb/h	612	581	550	519	489	460	431
25	Btu/h	42800	38700	34600	30500	26400	22300	18300
	Watts	3220	3360	3490	3630	3760	3890	4020
	Amps	9.33	9.66	9.99	10.3	10.6	10.9	11.3
	Lb/h	695	660	625	590	555	520	486
30	Btu/h	48300	43700	39100	34500	29800	25200	20600
	Watts	3300	3470	3640	3810	3970	4140	4300
	Amps	9.52	9.94	10.4	10.8	11.2	11.5	11.9
	Lb/h	787	750	712	673	634	594	555
35	Btu/h	54100	49000	43900	38700	33600	28500	23300
	Watts	3350	3560	3770	3970	4170	4370	4560
	Amps	9.64	10.2	10.7	11.2	11.6	12.1	12.6
	Lb/h	887	848	807	766	724	680	637
40	Btu/h	60200	54600	48900	43300	37700	32000	26400
	Watts	3380	3630	3880	4120	4350	4580	4810
	Amps	9.69	10.3	10.9	11.5	12.1	12.6	13.2
	Lb/h	993	953	911	868	823	777	730
45	Btu/h	66500	60400	54300	48200	42000	35900	29700
	Watts	3370	3670	3950	4230	4510	4780	5040
	Amps	9.66	10.4	11.1	11.8	12.5	13.1	13.8
	Lb/h	1100	1060	1020	978	932	884	834
50	Btu/h	73100	66500	59900	53300	46700	40000	33400
	Watts	3340	3670	4000	4320	4640	4950	5250
	Amps	9.54	10.4	11.2	12.0	12.8	13.5	14.3
	Lb/h	1220	1180	1140	1090	1050	998	947

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	3.227677E+04	2.770290E+03	8.343309E+00	5.175042E+02
C2	1.584259E+03	-1.767853E+01	-4.459422E-02	1.301045E+01

C3	-1.538906E+02	-3.010912E+00	-8.668208E-03	-1.734051E+00
C4	6.023574E+00	-3.795559E-01	-9.700196E-04	1.906649E-01
C5	-1.023824E+01	6.762776E-01	1.682675E-03	-6.545407E-02
C6	-8.564886E-03	5.959264E-03	1.518663E-05	9.155627E-04
C7	-1.753580E-02	-4.692527E-03	-1.319346E-05	-1.905309E-03
C8	1.755369E-02	4.012517E-03	1.130991E-05	1.729040E-03
C9	-5.397340E-03	-1.063554E-03	-3.004110E-06	-4.866696E-04
C10	5.650161E-04	3.960379E-05	1.251039E-07	3.453805E-05

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature